

**FIG. 1**

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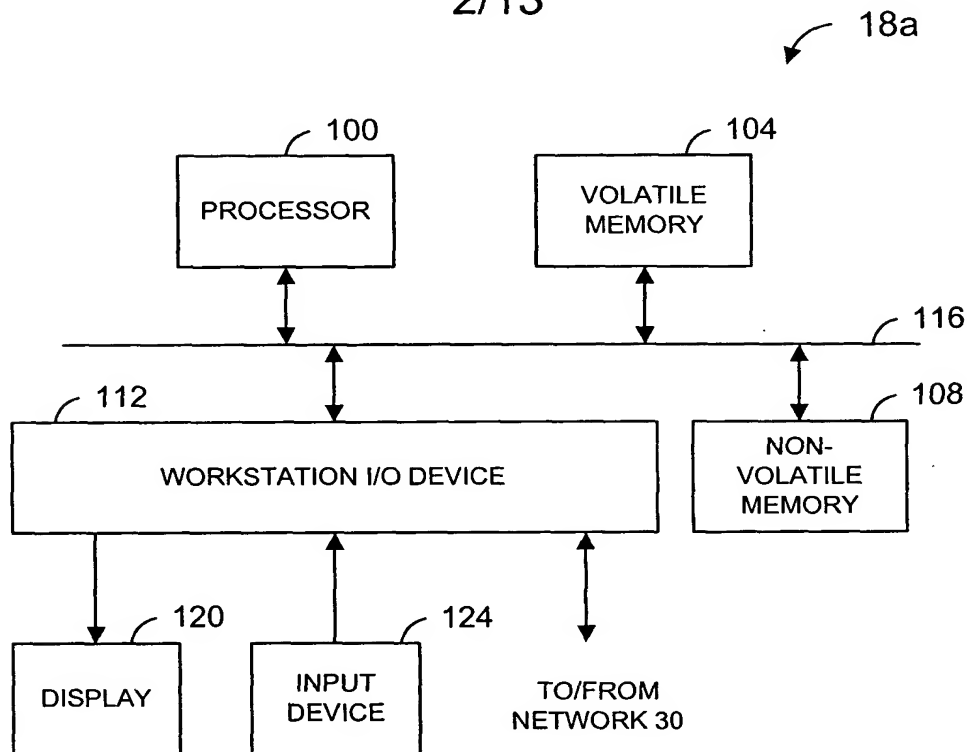


FIG. 2

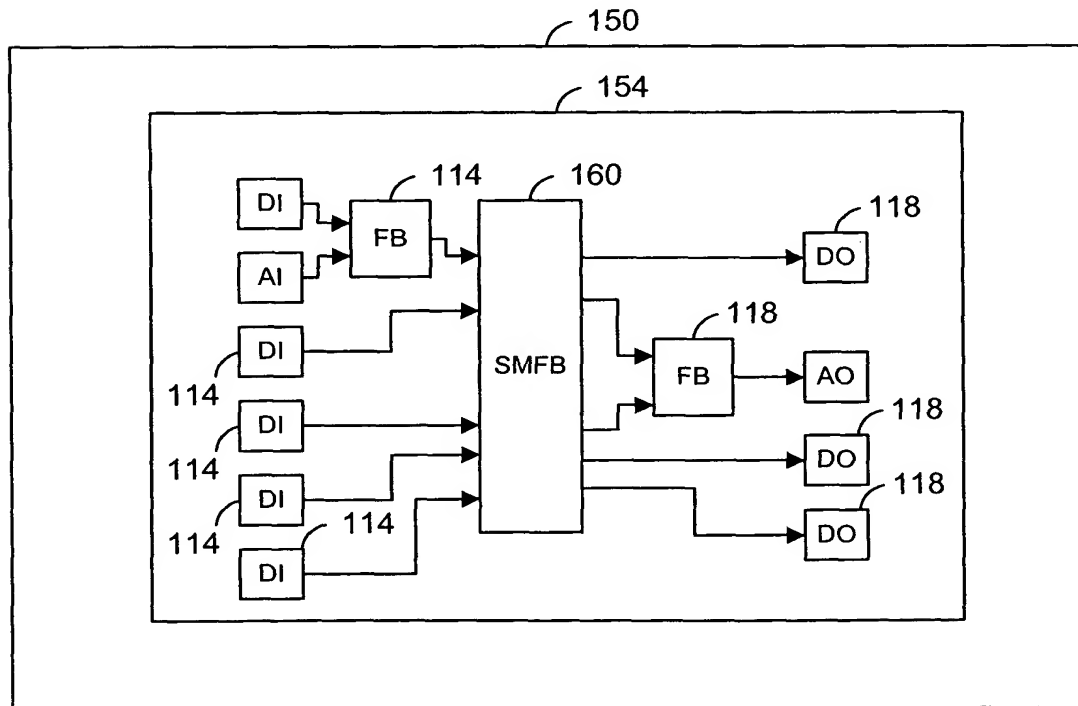


FIG. 3

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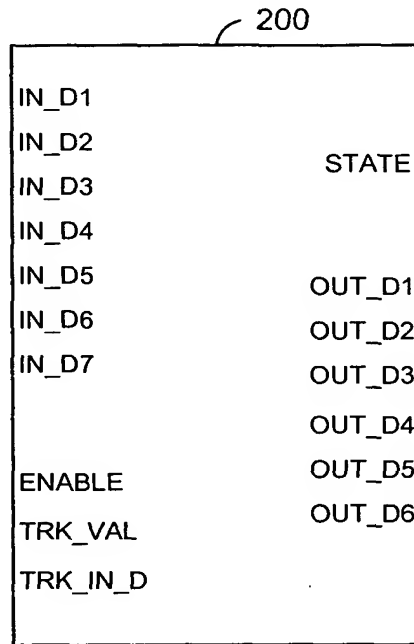


FIG. 4

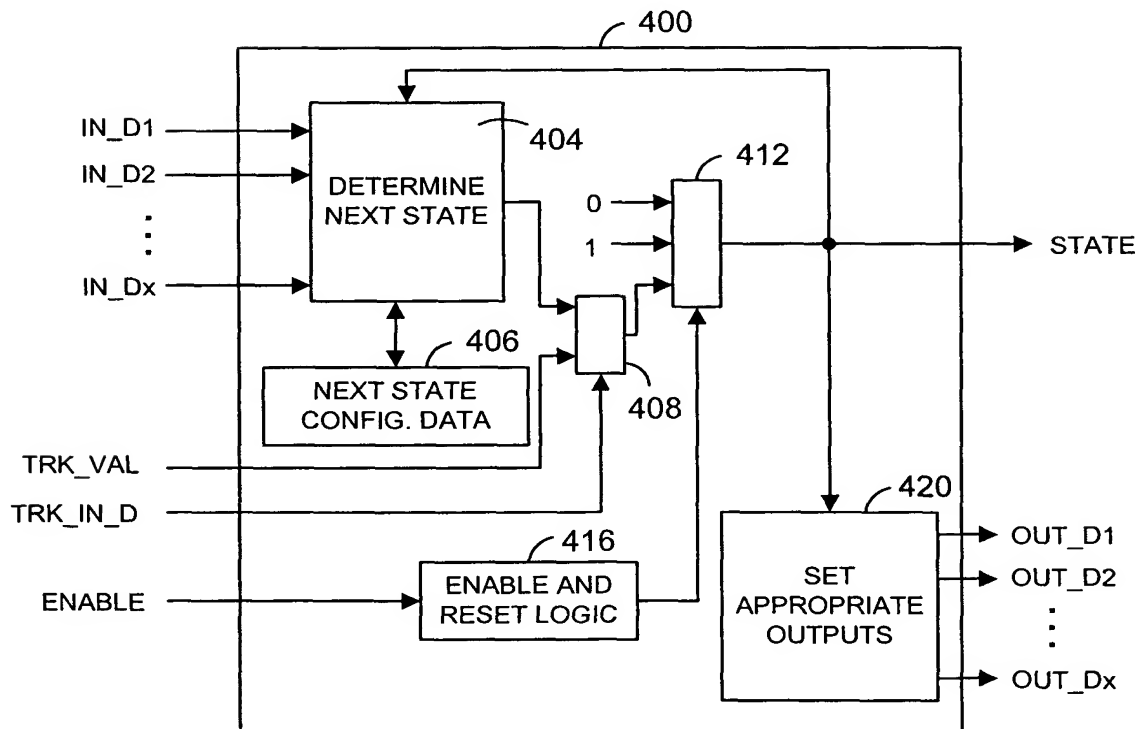


FIG. 8

300

STATES INPUTS	1 - TRIPPED	2 - WAITING FOR RESET	3 - READY FOR RESET	4 - WAITING FOR START	5 - NORMAL OPERATION	6 - RECOVERED
1 - INITIAL						
2 - RESET PERMIT						
3 - RESET						
4 - START PERMIT						
5 - NORMAL						
6 - TRIP REQUESTED						
7 - START RECOVER						

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FIG. 5

300

STATES INPUTS	1 - TRIPPED	2 - WAITING FOR RESET	3 - READY FOR RESET	4 - WAITING FOR START	5 - NORMAL OPERATION	6 - RECOVERED
1 - INITIAL	2 - WAITING FOR RESET	3 - READY FOR RESET	2 - WAITING FOR RESET			
2 - RESET PERMIT	3 - READY FOR RESET	4 - WAITING FOR START				
3 - RESET	4 - WAITING FOR START					
4 - START PERMIT	5 - NORMAL OPERATION			5 - NORMAL OPERATION		
5 - NORMAL	5 - NORMAL OPERATION					
6 - TRIP REQUESTED		1 - TRIPPED	1 - TRIPPED	1 - TRIPPED	1 - TRIPPED	1 - TRIPPED
7 - START RECOVER					6 - RECOVERED	

304B

304A

304C

304D

FIG. 6

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350

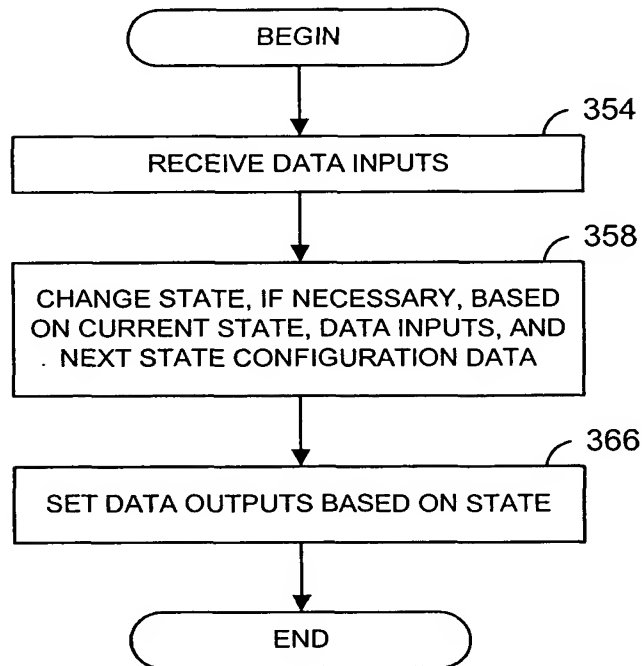


FIG. 7

450

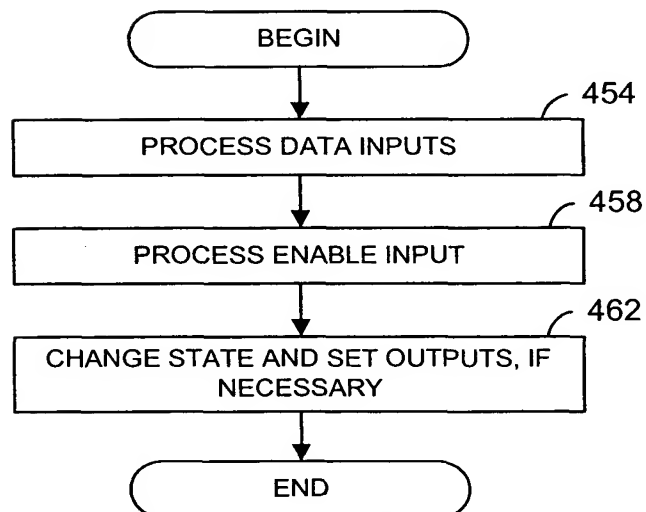


FIG. 9

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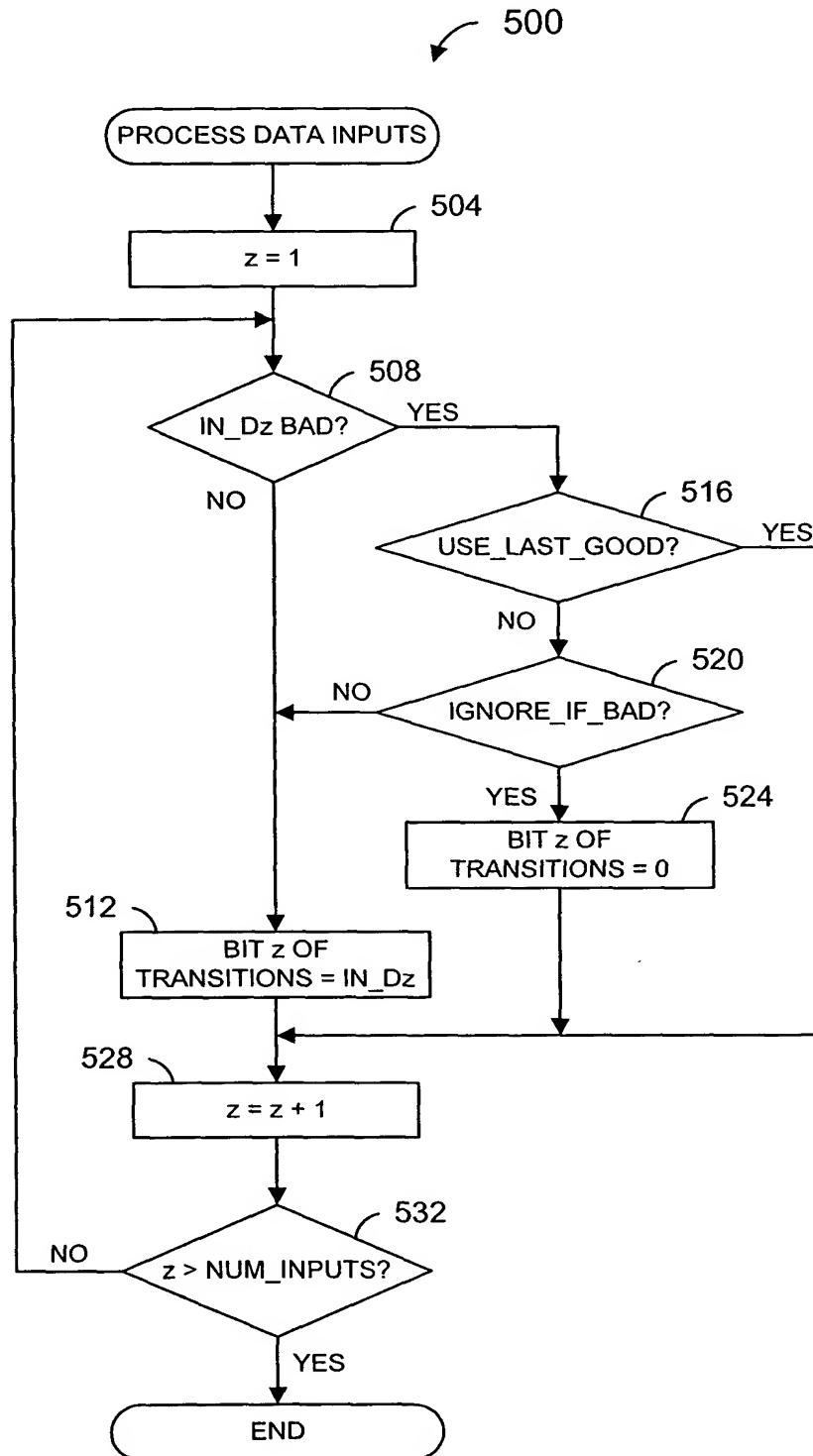


FIG. 10

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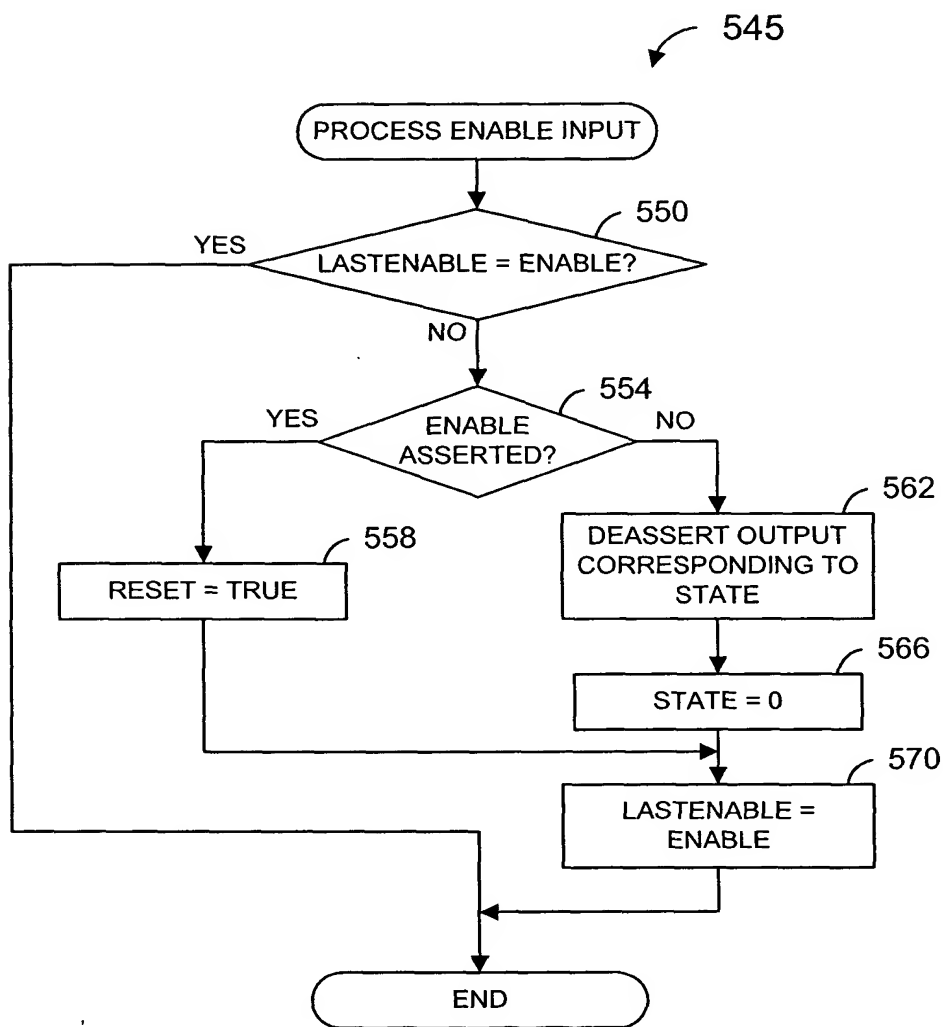
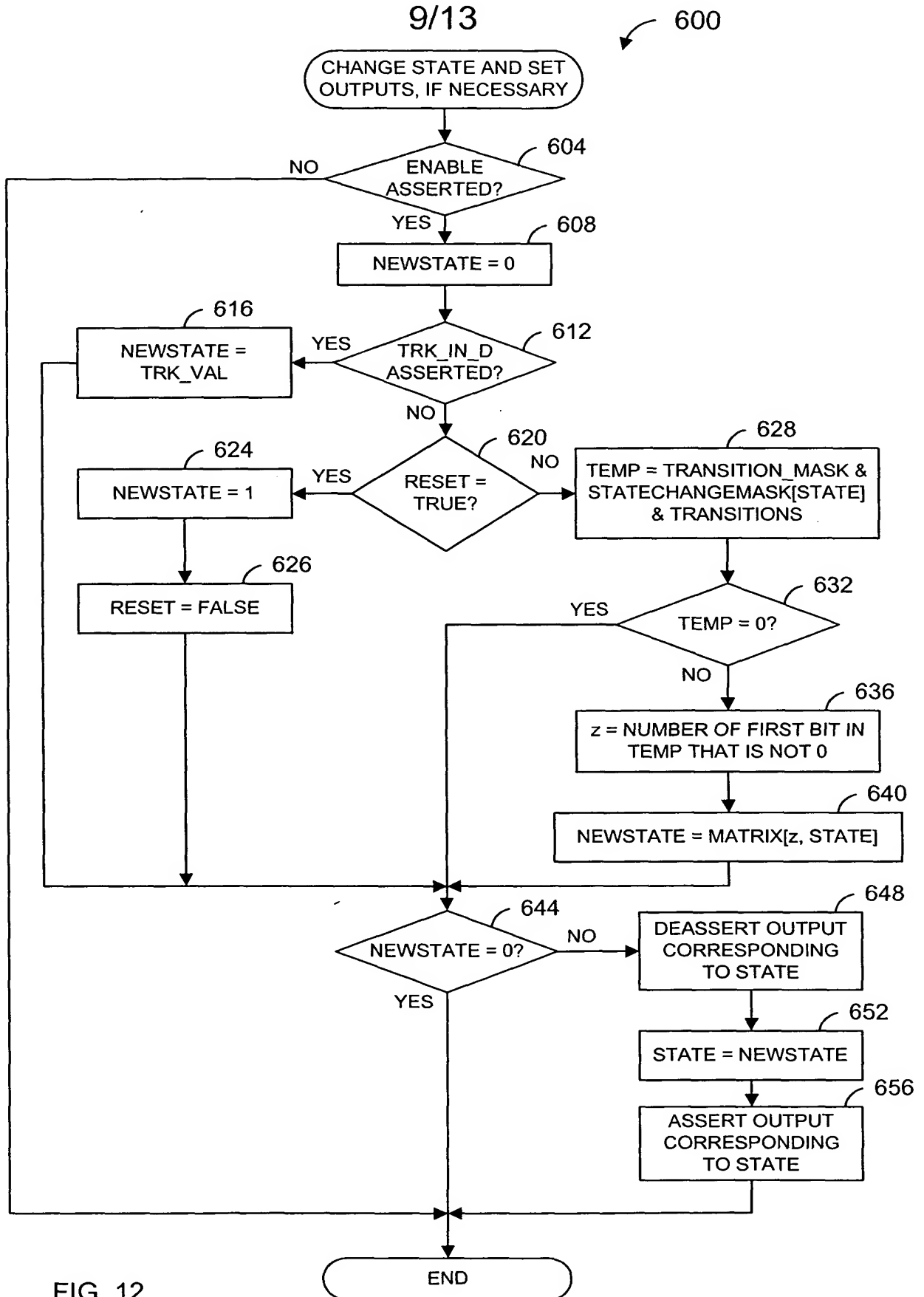


FIG. 11





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STATES	700			
	704C	704D	704A	704B
OUTPUTS	1 - OPEN VALVE VLV-101	2 - TURN ON PUMP MTR-101	3 - CLOSE VALVE VLV-101	4 - TURN OFF PUMP MTR-101
1 - TRIPPED			X	X
2 - WAITING FOR RESET	X			
3 - READY FOR RESET		X		
4 - WAITING FOR START			X	
5 - NORMAL OPERATION	X	X		
6 - RECOVERED				X

FIG. 13

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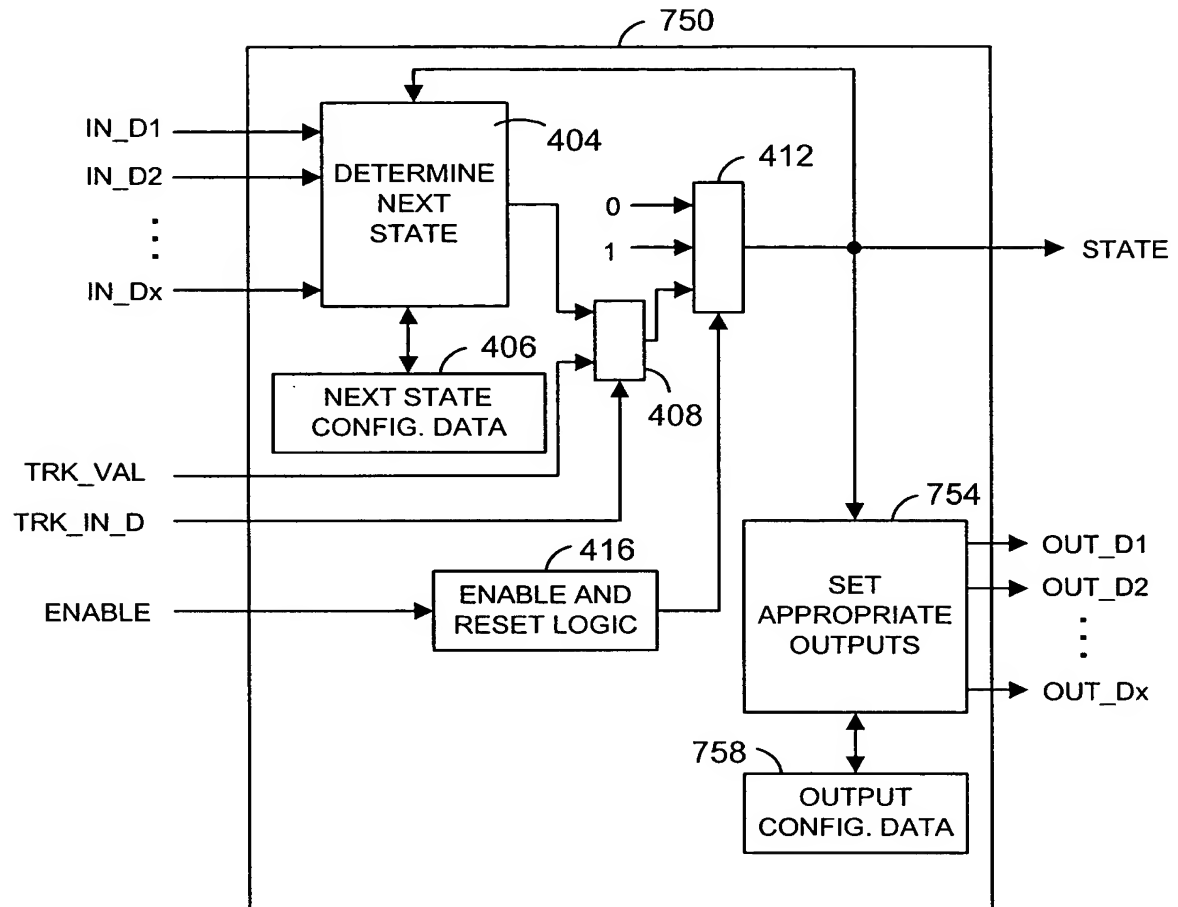
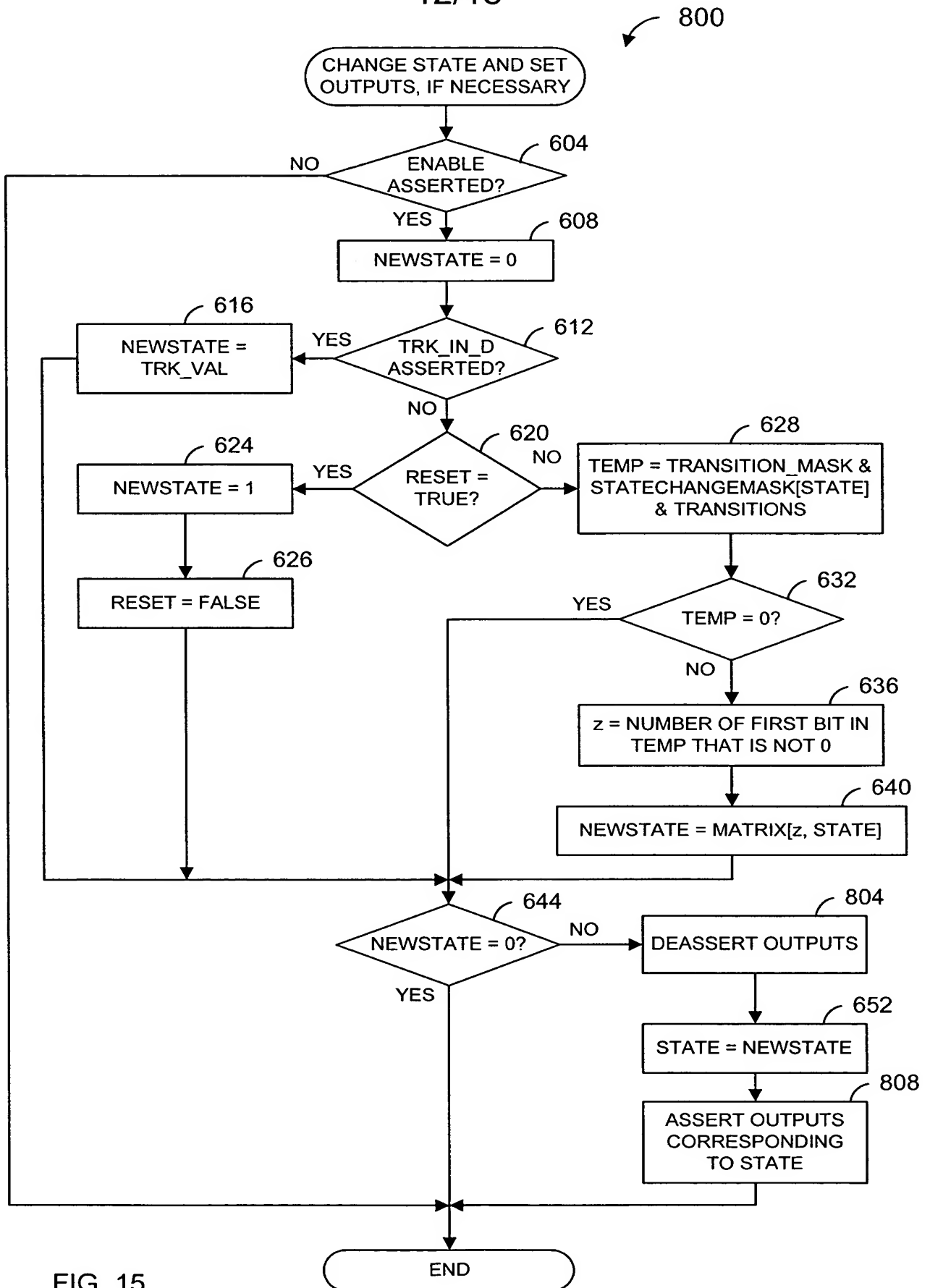


FIG. 14

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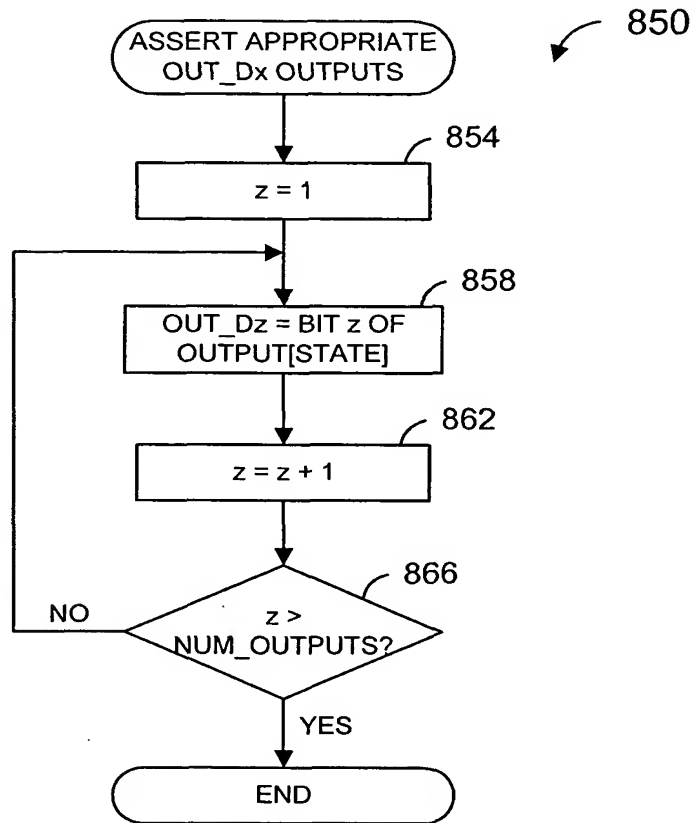


FIG. 16

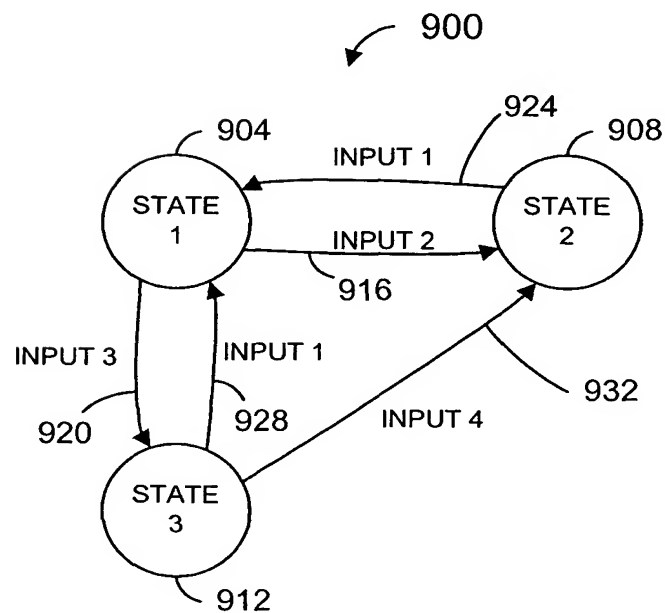


FIG. 17